



# The Presidential Green Chemistry Challenge

A faint, stylized molecular structure composed of white and grey spheres connected by lines, serving as a background for the central text.

# Awards

# &

# Grants

# Chemistry

## Designed for the Environment

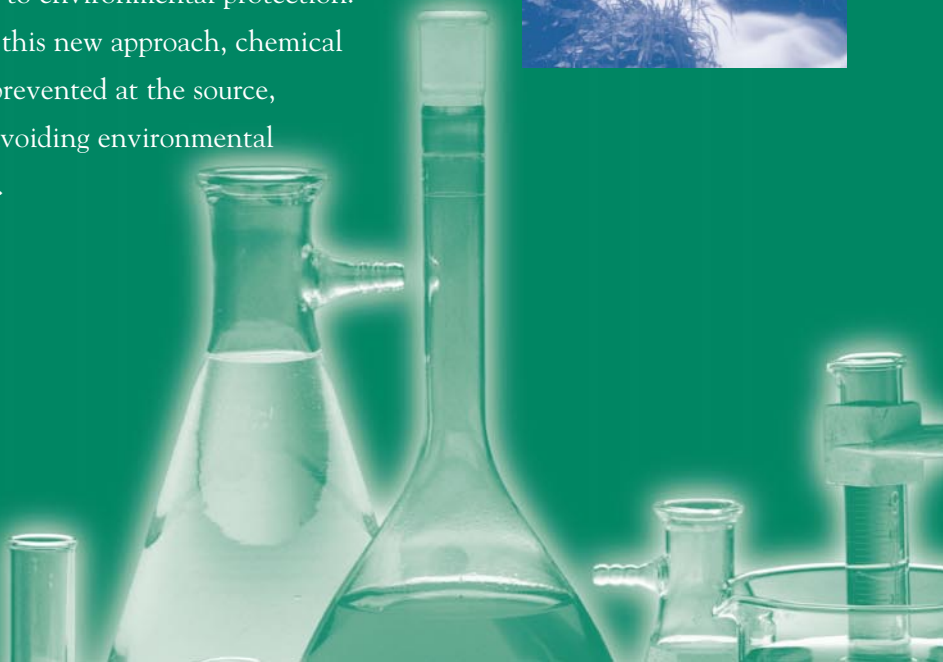




# Green

## BACKGROUND

In 1990, Congress passed the Pollution Prevention Act establishing prevention as the nation's preferred approach to environmental protection. Through this new approach, chemical waste is prevented at the source, thereby avoiding environmental problems.





Green Chemistry is a fundamental and innovative new approach to pollution prevention. Green Chemistry is the design of chemical products and processes that reduce or eliminate the use or generation of hazardous substances.

# Chemistry

## PROGRAM SCOPE AND OBJECTIVES

*"...the chemical community, including our major chemicals companies, has decided that we can and must be environmentally benign."*

— Ronald Breslow,  
former President, American  
Chemical Society,  
August 1996

The Presidential Green Chemistry Challenge was launched in 1995 by President Clinton to promote the design of chemical products and manufacturing processes that prevent pollution and are economically competitive. Through award and grant programs, the Presidential Green Chemistry Challenge recognizes and promotes innovative green chemistry technologies that meet this goal.

*"Society wants chemical companies and other industries to develop environmentally friendly materials. When we answer that call and when there is an economic incentive to do so, everybody wins."*

— Larry P. Koskan, President,  
Donlar Corporation,  
1996 Small Business Award Winner



## AWARDS

*"[An opportunity for individuals, groups, and organizations to] compete for Presidential awards in recognition of fundamental breakthroughs in cleaner, cheaper, smarter chemistry."*

— Carol Browner,  
Administrator,  
U.S. Environmental  
Protection Agency,  
October 30, 1995



The annual Presidential Green Chemistry Challenge Awards Program recognizes chemical technologies that incorporate green chemistry principles into chemical design, manufacture, and use. Award recipients receive national recognition for their outstanding accomplishments in the research, development, or implementation of green chemistry technologies.

The products and processes selected for the Presidential Green Chemistry Challenge Awards illustrate a commitment to designing, developing, and implementing green chemistry methodologies that are technologically and economically sound and less hazardous to human health and the environment.

*"The winning chemistry is marketable, profitable, and environmentally beneficial."*

— Environmental PROTECTION,  
February 1997

## GRANTS

Academic research grants for studying or applying green chemistry are available through EPA and the National Science Foundation Partnership for Environmental Research. Grants are available on an annual basis as part of the *Technology for a Sustainable Environment* solicitation.



## GREEN CHEMISTRY CHALLENGE PARTNERS

The Presidential Green Chemistry Challenge is a voluntary program that operates through a broad consortium that includes members of the chemical industry, trade associations, scientific organizations, and representatives from academia. The program is open to all individuals, groups, and organizations involved in chemical design, manufacture, and use.

- American Chemical Society
- American Petroleum Institute
- BF Goodrich
- Chemical Manufacturers Association
- Council for Chemical Research
- Dow Chemical
- Dow-Corning
- DuPont
- Eastman Kodak
- Environmental Commissioners of the States
- Gulf Coast Hazardous Substance Research Center
- Lamar University
- Los Alamos National Laboratory
- National Research Council
- North Carolina Office of Environment, Health, and Natural Resources
- Polaroid
- Rochester Midland
- Society of the Plastics Industry
- Solutia
- University of Massachusetts, Boston
- University of Rhode Island
- U.S. Department of Energy
- U.S. Environmental Protection Agency

Additional information on the Presidential Green Chemistry Challenge program is available by calling EPA's Pollution Prevention Information Clearinghouse at 202 260-1023.



Information also is available from Paul Anastas and Tracy Williamson of EPA's Industrial Chemistry Branch at 202 260-2659 and via the Internet at [www.epa.gov/docs/gcc](http://www.epa.gov/docs/gcc).



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